Freeform Search

Database: US Pre-Grant Publication Full-Text Database
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EPO Abstracts Database
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IBM Technical Disclosure Bulletins

Term: l1 with L2

Display: 20 **Documents in Display Format:** - **Starting with Number** 1

Generate: ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

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Search History

DATE: Monday, June 21, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT; PLUR=YES; OP=AND			
L3	l1 with L2	4	L3
L2	telomerase	1349	L2
L1	human near5 (microvascular or vascular) near3 endothelial	2313	L1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. 20030175961. 26 Feb 02. 18 Sep 03. Immortal micorvascular endothelial cells and uses thereof. Herron, G. Scott. 435/372; 424/93.21 435/4 C12Q001/00 A61K048/00 C12N005/08.

☐ 2. 20030170889. 27 Feb 01. 11 Sep 03. In vivo assay for anti angiogenic compounds. Herron, G. Scott. 435/366; 424/93.21 A61K048/00 C12N005/08.

☐ 3. 20030103975. 18 Nov 02. 05 Jun 03. Modulation of angiogenesis and endothelialization. Jones, Jonathan C.R., et al. 424/145.1; 435/337 530/388.25 A61K039/395 C12N005/06 C07K016/24.

☐ 4. 20030046714. 07 Mar 02. 06 Mar 03. Anti-neovasculature preparations for cancer. Simard, John J.L., et al. 800/3; 800/18 A01K067/027.

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Terms	Documents
L1 with L2	4

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h e b b g e e e f e e e e b h b che

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=> d his

     (FILE 'HOME' ENTERED AT 17:59:59 ON 21 JUN 2004)

     FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:00:13 ON 21 JUN
     2004
L1        14555 S HUMAN(5A)(MICROVASCULAR OR VASCULAR)(3A)ENDOTHELIAL
L2        20414 S TELOMERASE
L3           31 S L1(S)L2
L4           16 DUP REM L3 (15 DUPLICATES REMOVED)

=> d au ti so 1-16 l4

L4   ANSWER 1 OF 16     MEDLINE on STN                  DUPLICATE 1
AU   Holmqvist Kristina; Cross Michael J; Rolny Charlotte; Hagerkvist Robert;
     Rahimi Nader; Matsumoto Taro; Claesson-Welsh Lena; Welsh Michael
TI   The adaptor protein shb binds to tyrosine 1175 in vascular endothelial
     growth factor (VEGF) receptor-2 and regulates VEGF-dependent cellular
     migration.
SO   Journal of biological chemistry, (2004 May 21) 279 (21) 22267-75.
     Journal code: 2985121R. ISSN: 0021-9258.

L4   ANSWER 2 OF 16  SCISEARCH  COPYRIGHT 2004 THOMSON ISI on STN
AU   Kimura M; Cao X J; Patel S; Aviv A (Reprint)
TI   Survival advantage of cultured human vascular endothelial cells that lost
     chromosome 13
SO   CHROMOSOMA, (MAY 2004) Vol. 112, No. 7, pp. 317-322.
     Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA.
     ISSN: 0009-5915.

L4   ANSWER 3 OF 16  CAPLUS  COPYRIGHT 2004 ACS on STN
IN   Herron, G. Scott
TI   In vivo assay for anti-angiogenic compounds using telomerase
     -immortalized human dermal microvascular
     endothelial cells that form microvascular structures in mice
SO   U.S. Pat. Appl. Publ., 14 pp.
     CODEN: USXXCO

L4   ANSWER 4 OF 16  CAPLUS  COPYRIGHT 2004 ACS on STN
AU   Falchetti, Maria Laura; Pierconti, Francesco; Casalbore, Patrizia;
     Maggiano, Nicola; Levi, Andrea; Larocca, Luigi Maria; Pallini, Roberto
TI   Glioblastoma Induces Vascular Endothelial Cells to Express Telomerase in
     Vitro
SO   Cancer Research (2003), 63(13), 3750-3754
     CODEN: CNREA8; ISSN: 0008-5472

L4   ANSWER 5 OF 16     MEDLINE on STN                  DUPLICATE 2
AU   Gu Xiaolin; Zhang Jing; Brann Darrell W; Yu Fu-Shin X
TI   Brain and retinal vascular endothelial cells with extended life span
     established by ectopic expression of telomerase.
SO   Investigative ophthalmology & visual science, (2003 Jul) 44 (7) 3219-25.
     Journal code: 7703701. ISSN: 0146-0404.

L4   ANSWER 6 OF 16  CAPLUS  COPYRIGHT 2004 ACS on STN
IN   Herron, G. Scott
TI   In vivo assay for anti-angiogenic compounds
SO   PCT Int. Appl., 32 pp.
     CODEN: PIXXD2

L4   ANSWER 7 OF 16     MEDLINE on STN                  DUPLICATE 3
AU   Lagunoff Michael; Bechtel Jill; Venetsanakos Eleni; Roy Anne-Marie; Abbey
     Nancy; Herndier Brian; McMahon Martin; Ganem Don
TI   De novo infection and serial transmission of Kaposi's sarcoma-associated
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herpesvirus in cultured endothelial cells.
SO Journal of virology, (2002 Mar) 76 (5) 2440-8.
Journal code: 0113724. ISSN: 0022-538X.

L4 ANSWER 8 OF 16 MEDLINE on STN DUPLICATE 4
AU Chang Edwin; Yang Jiwei; Nagavarapu Usha; Herron G Scott
TI Aging and survival of cutaneous microvasculature.
SO Journal of investigative dermatology, (2002 May) 118 (5) 752-8. Ref: 123
Journal code: 0426720. ISSN: 0022-202X.

L4 ANSWER 9 OF 16 MEDLINE on STN DUPLICATE 5
AU Venetsanakos Eleni; Mirza Amer; Fanton Christie; Romanov Serguei R; Tlsty Thea; McMahon Martin
TI Induction of tubulogenesis in **telomerase**-immortalized **human microvascular endothelial** cells by glioblastoma cells.
SO Experimental cell research, (2002 Feb 1) 273 (1) 21-33.
Journal code: 0373226. ISSN: 0014-4827.

L4 ANSWER 10 OF 16 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AU Krump-Konvalinkova V; Bittinger F; Unger R E; Peters K; Lehr H A; Kirkpatrick C J (Reprint)
TI Generation of human pulmonary microvascular endothelial cell lines
SO LABORATORY INVESTIGATION, (DEC 2001) Vol. 81, No. 12, pp. 1717-1727.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA.
ISSN: 0023-6837.

L4 ANSWER 11 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AU Krump-Konvalinkova, V. [Reprint author]; Bittinger, F. [Reprint author]; Kirkpatrick, C. J. [Reprint author]
TI Ectopic expression of **telomerase**: Effects on immortalization and differentiation of **human** pulmonary **microvascular endothelial** cells.
SO Journal of Cancer Research and Clinical Oncology, (2001) Vol. 127, No. Supplement 1, pp. S25. print.
Meeting Info.: Eleventh Congress of the Division of Experimental Cancer Research of the German Cancer Society. Heidelberg, Germany. April 04-06, 2001. German Cancer Society.
CODEN: JCROD7. ISSN: 0171-5216.

L4 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
IN Herron, Scott G.; Yang, Jiwei
TI Microvascular endothelial cells immortalized by introduction of a telomerase expression cassette and their uses
SO PCT Int. Appl., 70 pp.
CODEN: PIXXD2

L4 ANSWER 13 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 6
AU Krump-Konvalinkova, Vera [Reprint author]; Bittinger, Fernando [Reprint author]; Kirkpatrick, Charles James
TI A novel **human** pulmonary **microvascular endothelial** cell line, HPMEC-ST1: Immortalization by cotransfection of **telomerase** and SV40 large T antigen.
SO Molecular Biology of the Cell, (Dec., 2000) Vol. 11, No. Supplement, pp. 469a. print.
Meeting Info.: 40th American Society for Cell Biology Annual Meeting. San Francisco, CA, USA. December 09-13, 2000. American Society for Cell Biology.
CODEN: MBCEEV. ISSN: 1059-1524.

L4 ANSWER 14 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AU Venetsanakos, Eleni [Reprint author]; McMahon, Martin [Reprint author]

TI Immortalization of **human microvascular endothelial** cells by expression of hTERT, the catalytic subunit of **telomerase**.
SO Proceedings of the American Association for Cancer Research Annual Meeting, (March, 2000) No. 41, pp. 451. print.
Meeting Info.: 91st Annual Meeting of the American Association for Cancer Research. San Francisco, California, USA. April 01-05, 2000.
ISSN: 0197-016X.

L4 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 7
AU Yang, Jiwei; Chang, Edwin; Cherry, Athena M.; Bangs, Charles D.; Oei, Yoko; Bodnar, Andrea; Bronstein, Adrienne; Chiu, Choy-Pik; Herron, G. Scott
TI Human endothelial cell life extension by telomerase expression
SO Journal of Biological Chemistry (1999), 274(37), 26141-26148
CODEN: JBCHA3; ISSN: 0021-9258

L4 ANSWER 16 OF 16 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AU Furumoto K; Inoue E; Nagao N; Hiyama E; Miwa N (Reprint)
TI Age-dependent telomere shortening is slowed down by enrichment of intracellular vitamin C via suppression of oxidative stress
SO LIFE SCIENCES, (7 AUG 1998) Vol. 63, No. 11, pp. 935-948.
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
ISSN: 0024-3205.

=> d bib ab 16 l4

L4 ANSWER 16 OF 16 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 1998:642789 SCISEARCH
GA The Genuine Article (R) Number: 111FF
TI Age-dependent telomere shortening is slowed down by enrichment of intracellular vitamin C via suppression of oxidative stress
AU Furumoto K; Inoue E; Nagao N; Hiyama E; Miwa N (Reprint)
CS HIROSHIMA PREFECTURAL UNIV, SCH BIOSCI, DEPT CELL BIOCHEM, 562 NANATSUKA, HIROSHIMA 7270023, JAPAN (Reprint); HIROSHIMA PREFECTURAL UNIV, SCH BIOSCI, DEPT CELL BIOCHEM, HIROSHIMA 7270023, JAPAN; HIROSHIMA UNIV, SCH MED, DEPT GEN MED, MINAMI KU, HIROSHIMA 734, JAPAN
CYA JAPAN
SO LIFE SCIENCES, (7 AUG 1998) Vol. 63, No. 11, pp. 935-948.
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
ISSN: 0024-3205.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 19
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
AB Telomeres in eukaryotic somatic cells are destined to the age-dependent shortening which has not been demonstrated to correlate to direct lesion of telomeric DNA by reactive oxygen intermediates (ROI); still less explicable is the inhibitory effect of ROI-scavenging on telomere shortening. Here, we succeeded in artificial slowdown of age-dependent telomere shortening to 52-62% of the untreated control, in **human vascular endothelial** cells, by addition of the oxidation-resistant type of ascorbic acid (Asc), Asc-2-O-phosphate (Asc2P), which concurrently achieved both extension of cellular life-span and prevention of cell size enlargement indicative of cellular senescence. The results are attributable to a 3.9-fold more marked enrichment of intracellular Asc (Asc(in)) by addition of Asc2P, subsequently dephosphorylated before or during transmembrane influx, than by addition of Asc itself, and also attributed to diminution of intracellular ROI to 53% of the control level by Asc2P, **telomerase** activity was at a

trace level and underwent an age-dependent decline, which was significantly decelerated by Asc2P. Thus, age-dependent telomere-shortening can be decelerated by suppression of intracellular oxidative stress and/or by **telomerase** retention, both of which are achieved by enriched Asc(in) but not by extracellular Asc overwhelmingly more abundant than Asc(in).

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